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Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 2. (canceled)

3. (new) A cosmetic or dermatological composition for at least one of boosting natural skin tanning and stimulating melanogenesis in human skin, wherein the composition comprises from 0.0001 % to 20 % by weight of at least one substance selected from pyrimidines and purines.

4. (new) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

5. (new) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

6. (new) The composition of claim 3, wherein the composition comprises at least one of purine, uracil, thymine, adenine, guanine and cytosine.

7. (new) The composition of claim 6, wherein the composition comprises purine.

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8. (new) The composition of claim 6, wherein the composition comprises uracil.
9. (new) The composition of claim 6, wherein the composition comprises thymine.
10. (new) The composition of claim 6, wherein the composition comprises adenine.
11. (new) The composition of claim 6, wherein the composition comprises guanine.
12. (new) The composition of claim 6, wherein the composition comprises cytosine.
13. (new) The composition of claim 5, wherein the composition comprises uracil.
14. (new) The composition of claim 13, wherein the composition comprises at least 0.1 % by weight of uracil.
15. (new) The composition of claim 3, wherein the composition further comprises at least one of a UVA filter and a UVB filter.
16. (new) The composition of claim 3, wherein the composition further comprises an inorganic pigment.

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17. (new) The composition of claim 16, wherein the inorganic pigment comprises an oxide of at least one of Ti, Zn, Fe, Zr, Si, Mn, Al and Ce.

18. (new) The composition of claim 17, wherein the inorganic pigment comprises TiO_2 .

19. (new) The composition of claim 4, wherein the composition further comprises at least one hydrophobic inorganic micropigment.

20. (new) The composition of claim 5, wherein the composition further comprises from 0.5 % to 6 % by weight of at least one inorganic pigment.

21. (new) The composition of claim 3, wherein the composition further comprises from 0.05 % to 10 % by weight of an antioxidant.

22. (new) A sunscreen which comprises the composition of claim 6.

23. (new) An O/W cream which comprises the composition of claim 4.

24. (new) A W/O emulsion which comprises the composition of claim 4.

25. (new) A gel cream which comprises the composition of claim 4.

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26. (new) A cosmetic or dermatological composition for at least one of boosting natural skin tanning and stimulating melanogenesis in human skin, wherein the composition comprises from 0.1 % to 1 % by weight of at least one of purine, uracil, thymine, adenine, guanine and cytosine.

27. (new) The composition of claim 26, which further comprises at least one of a UVA filter and a UVB filter.

28. (new) The composition of claim 26, wherein the composition further comprises a hydrophobic inorganic micropigment.

29. (new) The composition of claim 27, wherein the composition comprises uracil.

30. (new) A method for at least one of boosting natural skin tanning and stimulating melanogenesis in human skin, wherein the method comprises applying onto at least parts of the skin a composition which comprises at least one substance selected from pyrimidines and purines.

31. (new) The method of claim 30, wherein the at least one substance is present in a concentration of from 0.0001 % to 20 % by weight.

32. (new) The method of claim 30, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

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33. (new) The method of claim 31, wherein the composition comprises at least one of purine, uracil, thymine, adenine, guanine and cytosine.

34. (new) The method of claim 30, wherein the composition comprises purine.

35. (new) The method of claim 30, wherein the composition comprises uracil.

36. (new) The method of claim 30, wherein the composition comprises thymine.

37. (new) The method of claim 30, wherein the composition comprises adenine.

38. (new) The method of claim 30, wherein the composition comprises guanine.

39. (new) The method of claim 30, wherein the composition comprises cytosine.

40. (new) The method of claim 32, wherein the composition comprises at least 0.1 % by weight of uracil.

41. (new) The method of claim 30, wherein the composition comprises an emulsion.

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42. (new) The method of claim 30, wherein the method comprises a treatment of hypopigmentation.